Title (en)

ABSORBENT ARTICLE

Title (de)

ABSORBIERENDER ARTIKEL

Title (fr)

ARTICLE ABSORBANT

Publication

EP 3677233 A4 20200708 (EN)

Application

EP 18852087 A 20180830

Priority

- JP 2017165874 A 20170830
- JP 2018032107 W 20180830

Abstract (en)

[origin: EP3677233A1] On a skin side surface of a liquid permeable top sheet (3), embossed portions (10, 10, ...) depressed toward a non-skin side are arranged at intervals. Each embossed portion (10) is formed in a planar shape passing through each corner (12) of an original shape (11) and having concave shaped outlines (14) each formed by a curve bulging each side (13) of the original shape toward the center. A quadrangle having four or more sides is defined as the original shape (11). Because liquid intensive regions (15) formed along a periphery of the embossed portion (10) are separated at a central portion, the liquid intensive regions (15) become less noticeable. Also, a perimeter is increased by the concave shaped outlines (14) while a compressed area is reduced, the body fluid is dispersed and a color of the body fluid becomes less noticeable without deteriorating the touch feeling.

IPC 8 full level

A61F 13/511 (2006.01); **A61F 13/47** (2006.01)

CPC (source: EP US)

A61F 13/51104 (2013.01 - EP US); **A61F 13/51121** (2013.01 - US); **A61F 13/514** (2013.01 - US); **A61F 13/53** (2013.01 - US); A61F 2013/51078 (2013.01 - US); A61F 2013/51165 (2013.01 - US); A61F 2013/51338 (2013.01 - US)

Citation (search report)

- [XDA] JP 2008136563 A 20080619 - DAIO SEISHI KK
- [X] WO 2015146717 A1 20151001 - KAO CORP [JP]
- See references of WO 2019044967A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3677233 A1 20200708; **EP 3677233 A4 20200708**; **EP 3677233 B1 20220105**; CN 111031985 A 20200417; JP 2019041869 A 20190322; JP 6553137 B2 20190731; US 2020246200 A1 20200806; WO 2019044967 A1 20190307

DOCDB simple family (application)

EP 18852087 A 20180830; CN 201880051105 A 20180830; JP 2017165874 A 20170830; JP 2018032107 W 20180830; US 201816639278 A 20180830